

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (*Canceled*)

Claim 2. (*Currently Amended*) The device according to claim 1 23, wherein each of said hours group pattern and said minutes group pattern comprises a plurality of subgroup patterns wherein each of said subgroup patterns is able to be initiated by any display element within that subgroup pattern, wherein a chronological sequence of exhibition proximate to the display area among said subgroup patterns of said hours group pattern is able to be initiated by any display element within any one of said subgroup patterns of said hours group pattern, and wherein a chronological sequence of exhibition proximate to the display area among said subgroup patterns of said minutes group pattern is able to be initiated by any display element within any one of said subgroup patterns of said minutes group pattern.

Claim 3. (*Currently Amended*) The device according to claim 2, wherein each subgroup pattern of each of said hours group pattern and said minutes group pattern is exhibited by a group of display elements consisting of one of 2 display elements, 3 display elements, 4 display elements, 5 display elements and 6 display elements.

Claim 4. (*Currently Amended*) The device according to claim + 23, wherein said hours group pattern and said minutes group pattern combine to form a single display pattern.

Claim 5. (*Currently Amended*) The device according to claim + 23, wherein each of said hours group pattern and said minutes group pattern is selected from a group of group patterns consisting of one of a first group pattern of dots, a second group pattern of dots, a first group pattern of lines, a second group pattern of lines, a first group pattern of shapes and a second group pattern of shapes.

Claim 6. (*Currently Amended*) The device according to claim + 23, wherein:

said hour display elements is selected from a group of hour display elements consisting of 12 primary hour display elements and 24 primary hour display elements wherein each primary hour display element is for indication of 1 elapsed hour, and

said minute display elements is selected from a group of minute display elements consisting of 60 primary minute display elements wherein each primary minute display element is for indication of 1 elapsed minute, 12 primary minute display elements wherein each primary minute display element is for indication of 5 elapsed minutes, and 12 primary minute display elements and 4 secondary minute display elements wherein each primary minute display element is for indication of 5 elapsed minutes and each secondary minute display element is for indication of 1 elapsed minute of a 4-minute period between each 5-minute interval.

Claim 7. (*Currently Amended*) The device according to claim 1 23, wherein said storage device, said interface, said plurality of display elements and said controller are manufactured as a single operating device.

Claim 8. (*Currently Amended*) The device according to claim 1 23, wherein said plurality of display elements further comprises a plurality of second display elements located proximate to the display area, wherein each of said second display elements has at least an exhibiting state and a non-exhibiting state and is for indication of at least 1 elapsed second, wherein an amount of display elements of said second display elements being in said exhibiting state of said second display elements indicates an elapsed number of seconds in a minute, whereby said controller is in operable communication with said second display elements whereby a seconds group pattern of said one of said selectable display patterns is exhibited proximate to the display area as a result of the output display control signals from said controller in response to the time signals, and wherein said seconds group pattern is of discrete and discernable contrast relative to the display area and is visually distinguishable from said hours group pattern and said minutes group pattern.

Claim 9. (*Original*) The device according to claim 8, wherein:

said hour display elements is selected from a group of hour display elements consisting of 12 primary hour display elements and 24 primary hour display elements wherein each primary hour display element is for indication of 1 elapsed hour,

said minute display elements is selected from a group of minute display elements consisting of 60 primary minute display elements wherein each primary minute display element is for indication of 1 elapsed minute, 12 primary minute display elements wherein each primary minute display element is for indication of 5 elapsed minutes, and 12 primary minute display elements and 4 secondary minute display elements wherein each primary minute display element is for indication of 5 elapsed minutes and each secondary minute display element is for indication of 1 elapsed minute of a 4-minute period between each 5-minute interval, and

said second display elements is selected from a group of second display elements consisting of 60 primary second display elements wherein each primary second display element is for indication of 1 elapsed second, 12 primary second display elements wherein each primary second display element is for indication of 5 elapsed seconds, and 12 primary second display elements and 4 secondary second display elements wherein each primary second display element is for indication of 5 elapsed seconds and each secondary second display element is for indication of 1 elapsed second of a 4-second period between each 5-second interval.

Claim 10. (*Currently Amended*) The device according to claim 4 23, wherein said plurality of display elements further comprises a plurality of day display elements located proximate to the display area, wherein each of said day display elements has at least an exhibiting state and a non-exhibiting state and is for indication of 1 elapsed day in a week, wherein an amount of display elements of said day display elements being in said exhibiting state of said day display elements indicates an elapsed number of days in a week, whereby said controller is in operable

communication with said day display elements whereby a days group pattern of said one of said selectable display patterns is exhibited proximate to the display area as a result of the output display control signals from said controller in response to the time signals, and wherein said days group pattern is of discrete and discernable contrast relative to the display area and is visually distinguishable from said hours group pattern and said minutes group pattern.

Claims 11-15 (*Canceled*)

Claim 16. (*Currently Amended*) The device according to claim + 23, further comprising a projection machine connected to said storage device and said interface for projecting an image of said display elements on a display area.

Claims 17-22 (*Canceled*)

Claim 23. (*New*) A time display device for displaying time in a selectable display pattern, comprising:

a time mechanism;

a storage device for storing a plurality of selectable display patterns;

an interface receiving at least one input from an operator, said interface selecting one of said selectable display patterns in response to the at least one input;

said interface including a pattern toggle member adapted to be placed in a first position and a second position;

wherein said first position of said toggle member selects a first image display, and said second position of said toggle member selects a second image display;

a display having a display area and a plurality of display elements located proximate to said display area;

said plurality of display elements including a plurality of time and a plurality of date elements;

said plurality of time elements including a plurality of minute display elements, and a plurality of hour display elements;

each one of said plurality of minute display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed minute;

wherein an amount of said minute display elements in said exhibiting state indicating an elapsed number of minutes in an hour;

each one of said plurality of hour display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed hour;

wherein an amount of said hour display elements in said exhibiting state indicating an elapsed number of hours in a day;

said plurality of date elements including a plurality of day display elements, and a plurality of month display elements;

each one of said plurality of day display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed day in a month;

wherein an amount of said date display elements in said exhibiting state indicating an elapsed number of days in a month;

each one of said plurality of month display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed month;

wherein an amount of said month display elements in said exhibiting state indicating an elapsed number of months in a year; and

a display elements controller in communication with said time mechanism, said storage device, and said interface;

said display elements controller receiving time signals from said time mechanism and in response to the time signals said controller outputs display control signals to said hour display elements and said minute display elements;

said display elements controller operably communicates with said hour display elements and said minute display elements;

said display elements controller switches each of said hour display elements and said minute display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby an hours group pattern and a minutes group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

said display elements controller also operably communicates with said day display elements and said month display elements;

said display elements controller switches each of said day display elements and said month display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby a days group pattern and a months group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

whereby a date group pattern, including said days group pattern and said months group pattern, of said one of said selectable display patterns is exhibited proximate to the display area as a result of the output display control signals from said controller in response to the time signals; and

wherein each of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern is of discrete and discernable contrast relative to the display area and is visually distinguishable from the other ones of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern; and

whereby, when said pattern toggle member is in said first position, said first image display includes at least one of said hours group pattern, said minutes group pattern, said days group pattern and said months group pattern;

whereby, when said pattern toggle member is in said second position, said second image display includes another of at least one of said hours group pattern, said minutes group pattern, said days group pattern, and said months group pattern;

wherein said first image display and said second image display are visually distinguishable from one another.

Claim 24. (*New*) A time display device for displaying time in a selectable display pattern, comprising:

a time mechanism;

a storage device for storing a plurality of selectable display patterns;

an interface receiving at least one input from an operator, said interface selecting one of said selectable display patterns in response to the at least one input;

said interface including a pattern toggle member adapted to be placed in a first position and a second position;

wherein said first position of said toggle member selects a first image display, and said second position of said toggle member selects a second image display;

a display having a display area and a plurality of display elements located proximate to said display area;

said plurality of display elements including a plurality of time and a plurality of date elements;

said plurality of time elements including a plurality of minute display elements, and a plurality of hour display elements;

each one of said plurality of minute display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed minute;

wherein an amount of said minute display elements in said exhibiting state indicating an elapsed number of minutes in an hour;

each one of said plurality of hour display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed hour;

wherein an amount of said hour display elements in said exhibiting state indicating an elapsed number of hours in a day;

said plurality of date elements including a plurality of day display elements, and a plurality of month display elements;

each one of said plurality of day display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed day in a month;

wherein an amount of said date display elements in said exhibiting state indicating an elapsed number of days in a month;

each one of said plurality of month display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed month;

wherein an amount of said month display elements in said exhibiting state indicating an elapsed number of months in a year; and

a display elements controller in communication with said time mechanism, said storage device, and said interface;

said display elements controller receiving time signals from said time mechanism and in response to the time signals said controller outputs display control signals to said hour display elements and said minute display elements;

said display elements controller operably communicates with said hour display elements and said minute display elements;

said display elements controller switches each of said hour display elements and said minute display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby an hours group pattern and a minutes group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

said display elements controller also operably communicates with said day display elements and said month display elements;

said display elements controller switches each of said day display elements and said month display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby a days group pattern and a months group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

whereby a date group pattern, including said days group pattern and said months group pattern, of said one of said selectable display patterns is exhibited proximate to the display area as a result of the output display control signals from said controller in response to the time signals; and

wherein each of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern is of discrete and discernable contrast relative to the display area and is visually distinguishable from the other ones of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern; and

whereby, when said pattern toggle member is in said first position, said first image display includes said hours group pattern and said minutes group pattern;

whereby, when said pattern toggle member is in said second position, said second image display includes a numerical time pattern is displayed;

wherein said first image display and said second image display are visually distinguishable from one another.

Claim 25. (New) A time display device for displaying time in a selectable display pattern, comprising:

a time mechanism;

a storage device for storing a plurality of selectable display patterns;

an interface receiving at least one input from an operator, said interface selecting one of said selectable display patterns in response to the at least one input;

said interface including a pattern toggle member adapted to be placed in a first position, a second position, and a third position;

wherein said first position of said toggle member selects a first image display, said second position of said toggle member selects a second image display and said third position of said toggle member selects a third image display;

a display having a display area and a plurality of display elements located proximate to said display area;

said plurality of display elements including a plurality of time and a plurality of date elements;

said plurality of time elements including a plurality of minute display elements, and a plurality of hour display elements;

each one of said plurality of minute display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed minute;

wherein an amount of said minute display elements in said exhibiting state indicating an elapsed number of minutes in an hour;

each one of said plurality of hour display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed hour;

wherein an amount of said hour display elements in said exhibiting state indicating an elapsed number of hours in a day;

said plurality of date elements including a plurality of day display elements, and a plurality of month display elements;

each one of said plurality of day display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed day in a month;

wherein an amount of said date display elements in said exhibiting state indicating an elapsed number of days in a month;

each one of said plurality of month display elements having at least an exhibiting state and a non-exhibiting state, and indicating at least one elapsed month;

wherein an amount of said month display elements in said exhibiting state indicating an elapsed number of months in a year; and

a display elements controller in communication with said time mechanism, said storage device, and said interface;

said display elements controller receiving time signals from said time mechanism and in response to the time signals said controller outputs display control signals to said hour display elements and said minute display elements;

said display elements controller operably communicates with said hour display elements and said minute display elements;

said display elements controller switches each of said hour display elements and said minute display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby an hours group pattern and a minutes group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

said display elements controller also operably communicates with said day display elements and said month display elements;

said display elements controller switches each of said day display elements and said month display elements at least between respective said exhibiting state and said non-exhibiting state;

whereby a days group pattern and a months group pattern of said one of said selectable display patterns are exhibited proximate to the display area, respectively;

whereby a date group pattern, including said days group pattern and said months group pattern, of said one of said selectable display patterns is exhibited proximate to the display area as a result of the output display control signals from said controller in response to the time signals; and

wherein each of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern is of discrete and discernable contrast relative to the display area and is visually distinguishable from the other ones of said hours group pattern, said minutes group pattern, said day group pattern, and said month group pattern; and

whereby, when said pattern toggle member is in said first position, said first image display state consisting of said hours group and said minutes group for displaying time only;

whereby, when said pattern toggle member is in said second position, said second image display state consisting of said month group and said date group for displaying a date only; and

whereby, when said pattern toggle member is in said third position, said third image display state consisting of said month group, said days group, said hours group and said minutes group, thereby displaying both the time and date;

wherein said first image display state, said second image display state, and said third image display state are visually distinguishable from one another.